



Western - Onions (Furrow Irrigated)

2016

Estimated Production Costs & Returns

GROSS RECEIPTS FROM PRODUCTION

GROSS RECEIPTS	UNIT	PRICE	YIELD	PER ACRE	PER CWT	YOUR FARM
Onions	cwt	\$8.50	600	\$5,100	\$8.50	
Other						
Total Receipts				\$5,100		\$0

DIRECT COSTS

	UNIT	COST PER UNIT	QUANTITY	PER ACRE	PER CWT	YOUR FARM
OPERATING PREHARVEST						
Tillage						
Plow	acre	18.00	1	18.00	0.03	
Roller Harrow	acre	12.00	3	36.00	0.06	
Disk	acre	12.00	2	24.00	0.04	
Plane	acre	15.00	2	30.00	0.05	
Furrow	acre	12.00	1	12.00	0.02	
Seed	dollars	515.00	1	515.00	0.86	
Custom Planting	acre	12.00	1	12.00	0.02	
Fertilizer						
11-52-0 (Pre plant)	dollars	0.32	200	64.00	0.11	
Custom Application	acre	10.00	1	10.00	0.02	
32-0-0 & Ignite	dollars	258.00	3	774.00	1.29	
Custom Application	acre	10.00	1	10.00	0.02	
Herbicide & Insecticide						
Dakthal & Diazathon	dollars	66.00	3	198.00	0.33	
Custom Application	dollars	10.00	1	10.00	0.02	
Goal & Buctril	dollars	30.00	2	60.00	0.10	
Custom Application	acre	10.00	2	20.00	0.03	
Hand Weed	dollars	113.00	3	339.00	0.57	
Fungicide						
(Cu, Lannate, Movento, Tanos)	dollars	328.94	1	328.94	0.55	
Custom Application	acre	10.00	8	80.00	0.13	
Irrigation						
Water Assessment	dollars	45.00	1	45.00	0.08	
Labor	dollars	30.00	1	30.00	0.05	
Crop Insurance (NAP)	dollars	50.00	1	50.00	0.08	
Fuel	dollars	0.00	1	0.00	0.00	
Repairs & Maintenance	dollars	0.00	1	0.00	0.00	
Interest (6 months @ 7.5%)	dollars	99.97	1	99.97	0.17	
Total Pre-Harvest Expenses				\$2,765.91	\$4.61	\$0.00
HARVEST COSTS						
Custom Harvest	dollars	1,000.00	1	1,000.00	1.67	
Hauling	dollars	225.00	1	225.00	0.38	
Storage	dollars	245.00	1	245.00	0.41	
Sort/Bag	dollars	170.00	1	170.00	0.28	
Labor	dollars	200.00	1	200.00	0.33	
Total Harvest Costs				\$1,840.00	\$3.07	\$0.00
Total Operating Costs				\$4,605.91	\$7.68	\$0.00

PROPERTY & OWNERSHIP COSTS

General Farm Overhead	dollars	65.00	1	65.00	0.11	
Depreciation	dollars	10.00	1	10.00	0.02	
Real Estate Taxes	dollars	23.45	1	23.45	0.04	
Total Property & Ownership Costs				\$98.45	\$0.16	\$0.00
TOTAL DIRECT COSTS				\$4,704.36	\$7.84	\$0.00
NET RECEIPTS BEFORE FACTOR PAYMENTS				\$395.64	\$0.66	\$0.00
FACTOR PAYMENTS						
Land (\$5000 @ 4%)				200.00	0.33	
RETURN TO MANAGEMENT & RISK				\$195.64	\$0.33	\$0.00

BREAKEVEN ANALYSIS - PER ACRE RETURNS OVER TOTAL DIRECT COSTS (\$/ACRE)

ALTERNATIVE YIELDS		ALTERNATIVE PRICES (\$/cwt)				
		-25%	-10%	10%	25%	
		\$6.38	\$7.65	\$8.50	\$9.35	\$10.63
-25%	450.0	(\$1,835.61)	(\$1,261.86)	(\$879.36)	(\$496.86)	\$76.89
-10%	540.0	(\$1,261.86)	(\$573.36)	(\$114.36)	\$344.64	\$1,033.14
CWT PER ACRE	600.0	(\$879.36)	(\$114.36)	\$395.64	\$905.64	\$1,670.64
10%	660.0	(\$496.86)	\$344.64	\$905.64	\$1,466.64	\$2,308.14
25%	750.0	\$76.89	\$1,033.14	\$1,670.64	\$2,308.14	\$3,264.39